

WHAT IS CLAIMED IS:

- 1 1. A patient healthcare management system having a capability
2 to evaluate patient kidney function, the system configured to:
3 receive input defining a patient's medical record including the
4 patient's demographic information, medical condition and diagnosis;
5 calculate the patient's estimated glomerular filtration rate based on
6 the patient's medical record;
7 output at least one medical treatment recommendation wherein the
8 recommendation is based on the patient's medical record and estimated glomerular
9 filtration rate; and
10 calculate and output at least one treatment goal for the patient.
- 1 2. The system of claim 1 wherein the at least one treatment goal
2 for the patient comprises at least one of:
3 a goal blood pressure, a goal lipid level, a goal cholesterol level and
4 a goal hemoglobin A1C level.
- 1 3. The system of claim 1 additionally configured to receive input
2 specifying a treatment for the patient.
- 1 4. The system of claim 1 additionally configured to output an
2 indication as to whether, based on the patient's medical record, the at least one
3 medical treatment goal has been met.
- 1 5. The system of claim 1 wherein a plurality of clinical treatment
2 algorithms are applied to the patient's medical record to generate the at least one
3 treatment recommendation and the at least one patient treatment goal.
- 1 6. The system of claim 1 additionally configured to:
2 receive input specifying a patient's current medication(s);
3 receive input specifying a new prescription for the patient; and

4 generate an alert if the prescribed medication may antagonize a
5 medication the patient is currently taking.

1 7. The system of claim 1 further configured to:
2 receive input defining a plurality of patient medical records
3 comprising patient demographic information, medical condition, diagnosis and
4 treatment;
5 receive input defining at least one medical record parameter to extract
6 from the plurality of medical records; and
7 automatically generate a report containing an aggregate of the at least
8 one medical record parameter extracted from the plurality of medical records.

1 8. The system of claim 7 further configured to receive input
2 defining a subset of the plurality of patient medical records from which to extract
3 the at least one medical record parameter.

1 9. The system of claim 1 additionally configured to receive
2 input, for each patient encounter with his or her healthcare provider, defining the
3 patient encounter wherein each defined patient encounter is appended to the patient's
4 medical record.

1 10. A computer-implemented patient healthcare management
2 method involving the evaluation of patient kidney function, the method comprising:
3 defining a patient's medical record including the patient's
4 demographic information, medical condition and diagnosis;
5 calculating the patient's estimated glomerular filtration rate based on
6 the patient's medical record;
7 automatically generating at least one medical treatment
8 recommendation based on the patient's medical record and estimated glomerular
9 filtration rate; and
10 calculating at least one treatment goal for the patient.

1 11. The method of claim 10 wherein the at least one treatment
2 goal for the patient comprises at least one of a goal blood pressure level, a goal lipid
3 level, a goal cholesterol level and a goal hemoglobin A1C level.

1 12. The method of claim 10 further comprising specifying a
2 treatment for the patient.

1 13. The method of claim 10 further comprising indicating
2 whether, based on the patient's medical record, the at least one patient treatment
3 goal has been met.

1 14. The method of claim 10 wherein a plurality of clinical
2 treatment algorithms are applied to the patient's medical record to generate the at
3 least one treatment recommendation and the at least one patient treatment goal.

1 15. The method of claim 10 further comprising:
2 specifying the patient's current medications;
3 specifying a new prescription for the patient; and
4 generating an alert if the prescribed medication may antagonize a
5 medication the patient is currently taking.

1 16. The method of claim 10 further comprising:
2 defining a plurality of patient medical records comprising patient
3 demographic information, medical condition, diagnosis and treatment;
4 defining at least one medical record parameter to extract from the
5 plurality of medical records; and
6 automatically generating a report containing an aggregate of the at
7 least one medical record parameter extracted from the plurality of medical records.

1 17. The method of claim 16 further comprising defining a subset
2 of the plurality of patient medical records from which to extract the at least one
3 medical record parameter.

1 18. The method of claim 10 further comprising defining each
2 patient encounter with his or her healthcare provider wherein the defined patient
3 encounter is appended to the patient's medical record.

1 19. A computer-based system for interactively managing patient
2 healthcare and evaluating patient kidney function, the system comprising:
3 a means for defining a patient's medical record;
4 a means for establishing the patient's estimated glomerular filtration
5 rate based on the patient's medical record;
6 a means for generating at least one patient treatment recommendation
7 based on the patient's medical record and estimated glomerular filtration rate; and
8 a means for calculating at least one treatment goal for the patient.